

**AMENDMENTS TO THE SPECIFICATION:**

Please delete paragraph [0001] in its entirety.

Please replace paragraph [0005] with the following new paragraph:

**[0005]** General chemical compositions for groups of oxide materials with simple perovskite structures are  $(A_{1-x}M_x)BO_3$ ,  $(A_{1-x}M_x)(B'B'')O_3$  or  $A(B_{1-x}M_x)O_3$ , (where A can be 1<sup>+</sup>, 2<sup>+</sup> and 3<sup>+</sup> ions; B can be 5<sup>+</sup>, 4+, 3<sup>+</sup> ions; B' and B'' can be 2<sup>+</sup>, 3<sup>+</sup>, 4<sup>+</sup>, 5<sup>+</sup> and 6<sup>+</sup> ions, M is a magnetic ion dopant). Specific examples are  $(A_{1-x}M_x)TiO_3$ ,  $(A_{1-x}M_x)ZrO_3$ ,  $(A_{1-x}M_x)SnO_3$ ,  $(A_{1-x}B_x)HfO_3$ ,  $La(Mo_{1-x}M_x)O_3$ ,  $Sr(Ti_{1-x}M_x)O_3$  where A=Ca, Sr, Ba, Pb, Cd and M= Fe, Ni, Co, Mn with 0<x<0.15 (??????).

Please replace paragraph [0007] with the following new paragraph:

**[0007]** Figure 2 ~~are illustrates~~ plots of magnetization ( $\mu_B/Fe$ ) measured as a function of magnetic field at a temperature of 300K by SQUID magnetometer for a series of  $(Ba_{1-x}Fe_x)TiO_3$  with x =0.01, 0.02, 0.03, 0.05, 0.07, and 0.1.

Please replace paragraph [0008] with the following new paragraph:

**[0008]** Figure 3 ~~are illustrates~~ plots of magnetization ( $\mu_B/mol$ ) measured as a function of magnetic field at a temperature of 300K by SQUID magnetometer for a series of  $(Ba_{0.95}M_{0.05})TiO_3$  with M=Fe, Co, and Ni.

Please replace paragraph [0009] with the following new paragraph:

**[0009]** Figure 4 ~~are illustrates~~ plots of magnetization ( $\mu_B/mol$ ) measured as a function of magnetic field at a temperature of 300K by SQUID magnetometer for a series of  $(Ca_{0.95}M_{0.05})TiO_3$  with M=Fe, Co, and Ni.

Please replace paragraph [0010] with the following new paragraph:

**[0010]** Figure 5 ~~are illustrates~~ plots of magnetization ( $\mu_B/mol$ ) measured as a function of magnetic field at a temperature of 300K by SQUID magnetometer for a series of  $(Ba_{0.95}Fe_{0.05})BO_3$  with B=Ti, Zr, and Hf.

Please replace paragraph [0011] with the following new paragraph:

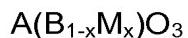
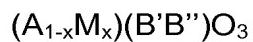
**[0011]** Figure 6 ~~are illustrates~~ plots of magnetization ( $\mu_B/mol$ ) measured as a function of magnetic field at a temperature of 300K by SQUID magnetometer for a series of  $(Ca_{0.95}Fe_{0.05})BO_3$  with B=Ti, Zr, and Hf.

Please replace paragraph [0013] with the following new paragraph:

**[0013]** ~~Figure 8~~ Figures 8A and 8B depict hysteresis loops of  $(Ba_{0.94}Fe_{0.05})TiO_3$  and  $(Ca_{0.94}Fe_{0.05})TiO_3$  measured at 5K and 300K by a SQUID magnetometer.

Please replace paragraph [0016] with the following new paragraph:

**[0016]** The invention includes general chemical compositions of the forms



where A can be  $1^+$ ,  $2^+$  and  $3^+$  ions; B can be  $5^+$ ,  $4^+$ ,  $3^+$  ions; B' and B'' can be  $2^+$ ,  $3^+$ ,  $4^+$ ,  $5^+$  and  $6^+$  ions, M is a magnetic ion dopant such as Fe, Co, Ni and Mn.